

Bid Number <u>50-00138026</u>

One Time Purchase of Four (4) Blowers for Bridge City Wastewater
Treatment Plant for the Jefferson Parish Department of Sewerage

Bid Due: MAY 05, 2022 at 2:00 pm

ATTENTION VENDORS!!!

Please review all pages and respond accordingly, complying with all provisions in the technical specifications and Jefferson Parish Instructions for Bidders and General Terms and Conditions. All bids must be received on the Purchasing Department's eProcurement site by the bid due date and time.

Jefferson Parish Purchasing Department 200 Derbigny Street General Government Building, Suite 4400 Gretna, LA 70053

Buyer Name: Donna M Evans, Buyer II Buyer Email: DMEVANS@jeffparish.net

Buyer Phone: 504-364-2691

INVITATION TO BID THIS IS NOT AN ORDER

DATE: 4/20/2022

BID NO.: 50-00138026

JEFFERSON PARISH

PURCHASING DEPARTMENT P.O. BOX 9 GRETNA, LA. 70054-0009 504-364-2678 BUYER: DMEVANS@jeffparish.net

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BIDS WILL BE RECEIVED ONLINE VIA WWW.JEFFPARISHBIDS.NET UNTIL 2:00 PM, 5/05/2022

AND PUBLICLY OPENED THEREAFTER IN THE WEST BANK PURCHASING DEPT, SUITE 4400, JEFFERSON PARISH GENERAL GOVERNMENT BUILDING, 200 DERBIGNY STREET, GRETNA, LA 70053. At no charge, bidders are to submit via Jefferson Parish's electronic procurement page by visiting www.jeffparishbids.net to register for this free site. Additional instructions are included in the text box highlighting electronic procurement.

LATE BIDS WILL NOT BE ACCEPTED

NOTE: ONLY BIDS WRITTEN IN INK OR TYPEWRITTEN, AND PROPERLY SIGNED BY A MEMBER OF THE FIRM OR AUTHORIZED REPRESENTATIVE, WILL BE ACCEPTED. PENCIL AND/OR PHOTOSTATIC FIGURES OR SIGNATURES SHALL RESULT IN BID REJECTION. HOWEVER, ELECTRONIC SIGNATURES AS DEFINED IN LSA - R.S. 9:2620(8) ARE ACCEPTABLE. SIGNATURE MUST BE A SECURED DIGITAL SIGNATURE.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS THE FOLLOWING INSTRUCTIONS APPLY TO ALL BIDS

All bids submitted are subject to these instructions and general conditions and any special conditions and specifications contained herein, all of which are made part of this bid proposal reference. By submitting a bid, vendor agrees to comply with all provisions of Louisiana Law as well be in compliance with the Jefferson Parish Code of Ordinances, Louisiana Code of Ethics, applicable Jefferson Parish ethical standards and Jefferson Parish Resolution No. 113646 and/or Resolution No. 113647 as amended.

Jefferson Parish adheres to the Louisiana Code of Governmental Ethics, contained in Louisiana Revised Statutes Annotated, R.S. 42:1101, et seq. Vendor/Proposer by this submission, warrants that there are no "conflicts of interest" related to this procurement that would violate applicable Louisiana Law. Violation of the Louisiana Code of Governmental Ethics may result in rescission of contract, permit or licenses, and the imposition of fines and/or penalties, without contractual liability to the public in accordance with applicable law.

All vendors submitting bids should register as a Jefferson Parish vendor if not already yet registered. Registration forms may be downloaded from http://purchasing.jeffparish.net and by clicking on Vendor Information. Current W-9 forms with respective Tax Identification numbers and vendor applications may be submitted at any time; however, if your company is not registered and/or a current W-9 form is not on file, vendor registration is mandatory. Vendors may experience a delay in payment if your company is not a registered vendor with Jefferson Parish.

All quotations shall be based on F.O.B. Agency warehouse or job site, anywhere within the Parish as designated by the Purchasing Department. This provision does not apply to public works projects

JEFFERSON PARISH requires all products to be new (current) and all work must be performed according to standard practices for the project. Unless otherwise specified, no aftermarket parts will be accepted. Unless otherwise specified, all workmanship and materials must have at least one (1) year guaranty, in writing, from the date of delivery and/or acceptance of the project. Any deviations or alterations from the specifications must be indicated and/or supporting documentation supplied with bid submission.

Bidders should submit all questions in writing via email to the buyer's email address as indicated above, no later than Five (5) working days prior to the bid opening. Bid numbers should be mentioned in all requests. If submitting online, vendors may send questions via the E-Procurement site no later than Five (5) working days prior to the bid opening.

If this bid requires a pre-bid conference (see Additional Requirements section), bidders are advised that such conference will be held to allow bidders the opportunity to identify any discrepancies in the bid specifications and seek further clarification regarding instructions. The Purchasing Department will issue a written response to bidders' questions in the form of an Addendum. Please note that all official communication will be expressed in the form of an addendum.

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All formal Addenda require written acknowledgement on the bid form by the bidder. Failure to acknowledge an Addendum on the bid form shall cause the bid to be rejected. JEFFERSON PARISH reserves the right to award bid to next lowest responsive and responsible bidder in this event.

JEFFERSON PARISH will accept one price for each item unless otherwise indicated. Two or more prices for one item will result in bid rejection. Bidders are required to complete, sign and return the bid form and/or complete and return the associated line item pricing forms as indicated. Vendors must not alter the bid forms. Doing so will cause the bid to be rejected.

A corporate resolution or written evidence of the individual signing the bid having such authority must be submitted with the bid. Failure to comply will cause bid to be rejected. For corporate entities, such written evidence may be a printout of the Louisiana Secretary of State's website listing the signatory as an officer. Such printout shall be included with the bid submission. Bids submitted by Owners or Sole Proprietorships must include certification that he or she owns the entity for which the bid is signed. This documentation must be submitted with the bid. Failure to do so will result in bid rejection.

NOTE: A sample corporate resolution can be downloaded from our website http://purchasing.jeffparish.net or you may provide your own document. A sample certification of sole proprietorship can also be downloaded from our website http://purchasing.jeffparish.net or you may provide your own document.

INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

A. AWARD OF CONTRACT: JEFFERSON PARISH reserves the right to award contracts or place orders on a lump sum or individual item basis, or such combination, as shall in its judgment be in the best interest of JEFFERSON PARISH. Every contract or order shall be awarded to the LOWEST RESPONSIVE and RESPONSIBLE BIDDER, taking into consideration the CONFORMITY WITH THE SPECIFICATIONS and the DELIVERY AND/OR COMPLETION DATE. SPLIT AWARDS MADE TO SEVERAL VENDORS WILL ONLY BE GRANTED TO THOSE DEEMED RESPONSIVE AND RESPONSIBLE.

All bid prices shall remain valid for 45 days. Jefferson Parish and the lowest responsive and responsible bidder(s) by mutual written consent may mutually agree to extend the deadline for award by one (1) or more extensions of thirty (30) calendar days.

PROTESTS: Only those vendors that submit bids in response to this solicitation may protest any element of the procurement, in writing to the Director of the Purchasing Department. Written protest must be received within 48 hours of the release of the bid tabulation by the Purchasing Department. After consultation, the Parish Attorney's Office will then respond to protests in writing. (For more information, please see Chapter 2, Article VII, Division 2, Sec. 2-914.1 of the Jefferson Parish Code of Ordinances.)

PREFERENCE: Unless federal funding is directly spent by Jefferson Parish for this purchase, preference is hereby given to materials, supplies, and provisions produced, manufactured or grown in Louisiana, quality being equal to articles offered by competitors outside the state. "LSA – R.S. 38:2251-2261"

- B. USE OF BRAND NAMES AND STOCK NUMBERS: Where brand names and stock numbers are specified, it is for the purpose of establishing certain minimum standards of quality. Bids may be submitted for products of equal quality, provided brand names and stock numbers are specified. Complete product data may be required prior to award.
- C. CANCELLATION OF CONTRACT: JEFFERSON PARISH reserves the right to cancel all or any part if not shipped promptly. No charges will be allowed for parking or cartage unless specified in quotation. The order must not be filled at a higher price than quoted. JEFFERSON PARISH reserves the right to cancel any contract at anytime and for any reason by issuing a THIRTY (30) day written notice to the contractor.

For good cause and as consideration for executing a contract with Jefferson Parish, vendor conveys, sells, assigns and transfers to Jefferson Parish or its assigns all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of Louisiana, relating to the particular good or services purchased or acquired by Jefferson Parish.

D. PRICES: Jefferson Parish is exempt from paying sales tax under LSA-R.S. 47:301 (8)(c). All prices for purchases by Jefferson Parish of supplies and materials shall be quoted in the unit of measure specified and unless otherwise specified, shall be exclusive of state and local taxes. The price quoted for work shall be stated in figures. In the event there is a difference in unit prices and totals, the unit price shall prevail.

Quantities listed are for bidding purposes only. Actual requirements may be more or less than quantities listed.

Bidders are not to exclude from participation in, deny the benefits of, or subject to discrimination under any program or activity, any person in the United States on the grounds of race, color, national origin, or sex; nor discriminate on the basis of age under the Age Discrimination Act of 1975, or with respect to an otherwise qualified handicapped individual as provided in Section 504 of the Rehabilitation Act of 1973, or on the basis of religion, except that any exemption from such prohibition against discrimination on the basis of religion as provided in the Civil Rights Act of 1964, or Title VI and VII of the Act of April 11, 1968, shall also apply. This assurance includes compliance with the administrative requirements of the Revenue Sharing final handicapped discrimination provisions contained in Section 51.55 (c), (d), (e), and (k)(5) of the Regulations. New construction or renovation projects must comply with Section 504 of the 1973 Rehabilitation Act, as amended, in accordance with the American National Standard Institute's specifications (ANSI A17.1-1961).

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Jefferson Parish and its partners as the recipients of federal funds are fully committed to awarding a contract(s) to firm(s) that will provide high quality services and that are dedicated to diversity and to containing costs. Thus, Jefferson Parish strongly encourages the involvement of minority and/or woman-owned business enterprises (DBE's, including MBE's, WBE's and SBE's) to stimulate participation in procurement and assistance programs.

The purpose and intention of this invitation to bid is to afford all suppliers an equal opportunity to bid on all construction, maintenance, repair, operating supplies and/or equipment listed in this bid proposal. JEFFERSON PARISH WILL ACCEPT ONE BID ONLY FROM EACH VENDOR. Items bid must meet specifications.

Advertised bids will be tabulated and a copy of the tabulation will be forwarded to each responding bidder.

IN ACCORDANCE WITH STATE REGULATIONS JEFFERSON PARISH OFFERS ELECTRONIC PROCUREMENT TO ALL VENDORS

This electronic procurement system allows vendors the convenience of reviewing and submitting bids online.

This is a secure site and authorized personnel have limited read access only. Bidders are to submit electronically using this free service; while the website accepts various file types, one single PDF file containing all appropriate and required bid documents is preferred. Bidders submitting uploaded images of bid responses are solely responsible for clarity. If uploaded images/documents are not legible, then bidder's submission will be rejected. Please note all requirements contained in this bid package for electronic bid submission.

Please visit our E-Procurement Page at www.jeffparishbids.net to register and view Jefferson Parish solicitations. For more information, please visit the Purchasing Department page at http://purchasing.jeffparish.net.

The general specifications for construction projects and the purchase of materials, services and/or supplies are those adopted by the JEFFERSON PARISH Council by Resolution No. 113646 or 113647 as amended. The general conditions adopted by this resolution shall be considered as much a part of this document as if they were written wholly herein. A copy may be obtained from the Office of the Parish Clerk, Suite 6700, Jefferson Parish General Government Building, 200 Derbigny Street, Gretna, LA 70053. You may also obtain a copy by visiting the Purchasing Department webpage at http://purchasing.jeffparish.net and clicking on Online Forms.

ADDITIONAL REQUIREMENTS FOR THIS BID

PLEASE MATCH THE NUMBERS PRINTED IN THIS BOX WITH THE CORRESPONDING INSTRUCTIONS BELOW.

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- All bidders must attend the MANDATORY pre-bid conference and will be required to sign in and out as evidence of
 attendance. In accordance with LSA R.S. 38:2212(I), all prospective bidders shall be present at the beginning of the
 MANDATORY pre-bid conference and shall remain in attendance for the duration of the conference. Any prospective
 bidder who fails to attend the conference or remain for the duration shall be prohibited from submitting a bid for the
 project.
- 2. Attendance to this pre-bid conference is optional. However, failure to attend the pre-bid conference shall not relieve the bidder of responsibility for information discussed at the conference. Furthermore, failure to attend the pre-bid conference and inspection does not relieve the successful bidder from the necessity of furnishing materials or performing any work that may be required to complete the work in accordance with the specification with no additional cost to the owner.
- 3. Contractor must hold current applicable JEFFERSON PARISH licenses with the Department of Inspection and Code Enforcement. Contractor shall obtain any and all permits required by the JEFFERSON PARISH Department of Inspection and Code Enforcement. The contractor shall be responsible for the payment of these permits. All permits must be obtained prior to the start of the project. Contractor must also hold any and all applicable Federal and State licenses. Contractor shall be responsible for the payment of these permits and shall obtain them prior to the start of the project.

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4. A LA State Contractor's License will be required in accordance with LSA R.S. 37-2150 et. seq. and such license number will be shown on the outside of the bid electronic envelope. Failure to comply will cause the bid to be rejected. When submitting the bid electronically, the license number must be entered in the appropriate field in the electronic procurement system. Failure to comply will cause the bid to be rejected.

- 5. It is the bidder's responsibility to visit the job site and evaluate the job before submitting a bid.
- 6. Job site must be clean and free of all litter and debris daily and upon completion of the contract. Passageways must be kept clean and free of material, equipment, and debris at all times. Flammable material must be removed from the job site daily because storage will not be permitted on the premises. Precaution must be exercised at all times to safeguard the welfare of JEFFERSON PARISH and the general public.
- 7. PUBLIC WORKS BIDS: All awards for public works in excess of \$5,000.00 will be reduced to a formal contract which shall be recorded at the contractor's expense with the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. A price list of recordation costs may be obtained from the Clerk of Court and Ex-Officio Recorder of Mortgages for the Parish of Jefferson. All awards in excess of \$25,000.00 will require both a performance and a payment bond. Unless otherwise stated in the bid specifications, the performance bond requirements shall be 100% of the contract price. Unless otherwise state in the bid specifications, the payment bond requirements shall be 100% of the contract price. Both bonds shall be supplied at the signing of the contract.
- NON-PUBLIC WORKS BIDS: A performance bond will be required for this bid. The amount of the bond will be 100% of the
 contract price unless otherwise indicated in the specifications. The performance bond shall be supplied at the signing of the
 contract.
- NON-PUBLIC WORKS BIDS: A payment bond will be required for this bid. The amount of the bond will be 100% of the contract price unless otherwise indicated in the specifications. The payment bond shall be supplied at the signing of the contract.
- 10. All bidders must comply with the requirements stated in the attached "Standard Insurance Requirements" sheet attached to this bid solicitation. Failure to comply with this instruction will result in bid rejection.
- 11. A bid bond will be required with bid submission in the amount of 5% of the total bid, unless otherwise stated in the bid specifications. All sureties must be in original format (no copies) When submitting a bid online, vendors must submit an electronic bid bond through the respective online clearinghouse bond management system(s) as indicated in the electronic bid solicitation on Central Auction House. No scanned paper copies of any bid bond will be accepted as part of the electronic bid submission.
- 12. This is a requirements contract to be provided on an as needed basis. JEFFERSON PARISH makes no representations on warranties with regard to minimum guaranteed quantities unless otherwise stated in the bid specifications.
- 13. Freight charges should be included in total cost when quoting. If not quoted FOB DELIVERED, freight must be quoted as a separate item. Bid may be rejected if not quoted FOB DELIVERED or if freight charges are not indicated on bid form.
- 14. PUBLIC WORKS BIDS Completed, Signed and Properly Notarized Affidavits Required; This applies to all solicitations for construction, alteration or demolition of public buildings or projects, in conformity with the provisions contained in LSA-RS 38:2212.9, LSA-RS 38:2212.10, LSA-RS 38:2224, and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Conviction Affidavit, Non-Collusion Affidavit, Campaign Contribution Affidavit, Debt Disclosures Affidavit and E-Verify Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

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INSTRUCTIONS FOR BIDDERS AND GENERAL CONDITIONS

15. NON PUBLIC WORK BIDS - Completed, Signed and Properly Notarized Affidavits Required in conformity with the provisions contained in LSA – RS 38:2224 and Sec 2-923.1 of the Jefferson Parish Code of Ordinances. For bidding purposes, all bidders must submit with bid submission COMPLETED, SIGNED and PROPERLY NOTARIZED Affidavits, including: Non-Collusion Affidavit, Debt Disclosures Affidavit and Campaign Contribution Affidavit. For the convenience of vendors, all affidavits have been combined into one form entitled NON PUBLIC WORKS BID AFFIDAVIT. This affidavit must be submitted in its original format, and without material alteration, in order to be compliant and for the bid to be considered responsive. A scanned copy of the completed, signed and properly notarized affidavit may be submitted with the bid, however, the successful bidder must submit the original affidavit in its original format and without material alteration upon contract execution. Failure to comply will result in the bid submission being rejected as non-responsive. The Parish reserves the right to award bid to the next lowest responsive and responsible bidder in this event.

- 16. The ensuing contract for this bid solicitation may be eligible for FEMA reimbursement and/or Federal funding/reimbursement. As such, the referenced appendix will be applicable accordingly and shall be considered a part of the bid documents. All applicable certifications must be duly completed, signed and submitted with bid submission. Failure to submit applicable certifications with bid submission will result in bid rejection.
- 17. For this project, the Contractor shall not pay any state or local sales or use taxes on materials and equipment which are affixed and made part of the immovable property of the project or which is permanently incorporated in the project (hereinafter referred to as "applicable materials and equipment."). All purchases of applicable materials or equipment shall be made by the contractor on behalf of and as the agent of Jefferson Parish (Owner), a political subdivision of the State of Louisiana. No state and local sales and use taxes are owed on applicable materials and equipment under the provisions of Act 1029 of the 1991 Regular Session Louisiana Revised Statute 47:301(8)(c). Owner will furnish to contractor a certificate form which certifies that Owner is not required to pay such state or local sales and use taxes, and contractor shall furnish a copy of such certificate to all vendors or suppliers of the applicable materials and equipment, and report to Owner the amount of taxes not incurred.

It shall be the duty of every parish officer, employee, department, agency, special district, board, and commission: and the duty of every contractor, subcontractor, and licensee of the parish, and the duty of every applicant for certification of eligibility for a parish contract or program, to cooperate with the Inspector General in any investigation, audit, inspection, performance review, or hearing pursuant to JPCO 2-155.10(19). By signing this document, every corporation, partnership, or person contracting with PARISH, whether by cooperative endeavor, intergovernmental agreement, bid, proposal, application or solicitation for a parish contract, and every application for certification of eligibility for a parish contract or program, attests that it understands and will abide by all provisions of JPCO 2-155.10.

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BID FORM
Non Public Works

All Public Work Projects are required to use the Louisiana Uniform Public Work Bid Form

All prices must be held firm unless an escalation provision is requested in this bid. Jefferson Parish will allow one escalation during the term of the contract, which may not exceed the U.S. Bureau of Labor Statistics National Index for all Urban Consumers, unadjusted 12 month figure. The most recently published figure issued at the time an adjustment is requested will be used. A request must be made in writing by the vendor, and the escalation will only be applied to purchases made after the request is made.

Are you requesting an es	calation provision?				
	YES	NO			
	MAXIMUM ESCALATION PERCENTAGE REQUESTED%				
	INITIAL BID PRICES WILL REMAIN FIRM THROUGH THE DATE OF				
escalation percentage qu will be used to calculate	oted by the bidder to the	period to which it is app be assumed,for compari	olied in the	e hid The	Parish will apply the maximum initial price and the escalation nat an equal amount of material
DELIVERY: F	OB JEFFERSON	PARISH			
INDICATE DELIV	ERY DATE ON EQUIPM	ENT AND SUPPLIES			
LOUISIANA C	CONTRACTOR'S I	LICENSE NO.: (i	f appli	cable)	
THIS SECTION N	IUST BE COMPLE	TED BY BIDDE	R:		
FIRM NAME:					
ADDRESS:					
CITY, STATE:			ZIP: _		
TELEPHONE: ()		FAX:	()	
EMAIL ADDRESS: _					
acknowledge receipt	enda are issued with this b of an addendum on the b b bid form will result in bid	id form by placing the a	owledge a addendum	all addenda n number as	on the bid form.Bidder must indicated. Failure to acknowledge
Acknowledge Receipt	t of Addenda: NUMBER:				
	NUMBER:				
	NUMBER:				
	NUMBER:				
TOTAL PRICE OF A	ALL BID ITEMS: \$				
AUTHORIZED					
SIGNATURE:			_		Printed Name
TITLE:					i inted Name

SIGNING INDICATES YOU HAVE READ AND COMPLY WITH THE INSTRUCTIONS AND CONDITIONS.

NOTE: All bids should be returned with the BID NUMBER and BID OPENING DATE indicated on the outside of the envelope submitted to the Purchasing Department.

INVITATION TO BID FROM JEFFERSON PARISH - continued

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BID NO.: 50-00138026

SEALED BID

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION OF ARTICLES	UNIT PRICE QUOTED	TOTALS
			ONE TIME PURCHASE OF FOUR (4) BLOWERS FOR BRIDGE CITY WASTEWATER TREATMENT PLANT FOR THE JEFFERSON PARISH DEPARTMENT OF SEWERAGE		
1	4.00	EA	0010 - Gardner Denver RBS Series Positive Displacement Blower, extended steel base, OSHA style drive guard, PL-2 inch weight type relief valve, 4 inch inlet air filter/Silencer with paper element, 4 inch inlet Silencer with legs, 4 inch discharge Silencer with legs, 15 H.P. 1800 RPM, TEFC, 460/3/60, 1.145 S.F. electric motor, direct drive via coupling, layout and mount blower, motor and drive, spook type flexible connector, protective coating F/H 518-4 inch check valve with SS springs, Wika 2.5 inch discharge pressure gauge, fully assemble and finish painting all components, isolation pad set, spare filter element, case of AEON synthetic PD blower oil for initial fill and first charge, lot of interconnecting piping to connect blowers to existing header (To be in- stalled by Dept. of Sewerage personnel), factory startup, laser alignment for the Bridge City Wastewater Treatment Plant		

SPECIFICATIONS POSITIVE DISPLACEMENT BLOWER JEFFERSON PARISH DEPARTMENT OF SEWERAGE BRIDGE CITY WASTEWATER TREATMENT PLANT

Part 1 - General

The bidder shall supply four (4) Gardner Denver RBS 75 series positive displacement blowers, or approved equal. Price shall include a lot of interconnection piping to connect blowers to existing header. Bidder shall visit site to verify exact needs to connect new blowers to existing system. Bidder shall include in his price four (4) extra filters, coupling flexible element as required, and four (4) cases of AEON Synthetic Blower Oil. The blower under this bid shall be furnished by the area authorized factory representative for Jefferson Parish, Louisiana for the brand being offered. Any bids submitted for the alternate blower manufacturers, other than that as specified, must include in their bid all information needed to fully demonstrate complete compliance with requirements of these specifications and dimensional duplicity of the existing blower. It is the bidder's responsibility to provide adequate information necessary for the complete evaluation of their proposed equipment. Jefferson Parish shall be the sole judge as to the equality of any alternate manufacturer's offering.

1.1 Manufacturer & Quality Assurance

- A. The equipment specified herein is intended to be standard equipment for positive displacement air systems and be supplied as a package from a single source so as to assure uniform quality, compatibility, and reliability for the Bridge City Wastewater Treatment Plant.
- B. The vendor shall have an authorized service center of the blower manufacturer, located within two (2) hours of the Bridge City Wastewater Treatment Plant.

1.2 Manufacturer's Field Representation

- A. General: The field service technician must be a qualified factory certified technician.
- B. Inspection and Start-Up: Upon notification of completion of the aeration system by Jefferson Parish personnel, the blower technician will perform the following duties as applicable: installation inspection and certification, equipment lubrication, initial start-up, and corrective adjustments. Site start-up procedures must include equipment soft-foot checks, coupling alignment with a laser alignment tool, and a minimum one hour run under design operating conditions.

C. Operator Training: Training to include but not limited to all lubrication locations, procedures, intervals, and allowable lubricants. Power Transmission maintenance, filter servicing, any applicable start-up, and shut-down procedures.

Part 2 - Performance / Components

2.1 Design Criteria

Manufacturer: The blowers shall be manufactured by Gardner Denver Model RBS 75, or approved equal.

2.2 Rotary Positive Displacement Blower

- A. The blowers shall be of the horizontal rotary tri-lobe positive displacement type. The blowers must provide oil-free air, suitable for heavy-duty continuous service.
- B. The ductile iron tri-lobe rotors must be machined and dynamically balanced. The shafts must be integral to the rotor. They shall operate without rubbing, liquid seals, or air cylinder lubrication.
- C. The impeller casing shall be of close grain grey iron and must be machined from a single piece of material. <u>Two piece construction will not be accepted.</u> The casing must feature dowel pins for precision bearing housing alignment. The casing shall be sufficiently ribbed to prevent distortion and reduce vibration under service conditions.
- D. Head plates shall be close grained grey iron and precision machined for exact bearing positioning and casing alignment.
- E. Alloy steel helical cut timing gears shall provide precise rotor synchronization so that operating clearances are properly maintained. Gears must be press-fit to the rotor shafts and must not be bored and pinned. Each gear to be locked in place with a lock nut.
- F. The drive rotor shall be supported by single row roller bearing at the drive end and by a double row ball bearing at the gear end. Bearings shall be sized for a minimum L10 life of 100,000 hours. All bearings must be splash oil lubricated.
- G. Oil Shaft seals must be the non-elastomeric type.

2.3 Electric Motors

- A. Motors: 15 H.P. must be TEFC (IP55), 1800 RPM, minimum 1.25 S.F., 230/460/3/60, Class B design, Class F insulation, with a minimum full load efficiency rating of 92.4 percent. Motors shall be as manufactured by ABB, TECO, Toshiba, WEG, or approved equal.
- B. Frame must be cast iron and equipped with cooling fins. The motor feet shall be integral to

the motor bearing housings for maximum strength and minimum vibration.

- C. Conduit box must be cast iron and rotatable in 90 degree increments.
- D. Bearing housings shall be cast iron with fins for better thermal heat dissipation for lower bearing operating temperatures. They must be equipped with drain holes to expel water that may condense inside the frame in certain environments.

2.4 Blower Package Accessories

- A. General: The blower packages shall be fabricated and assembled with the following accessories and shipped complete to the extent feasible for safe shipping.
- B. Equipment Base: The base shall be comprised of carbon steel plate and structural steel shapes and be of sufficient design to support the blower, motor, drive train, and silencers without undue flexing. The base must be of a heavy-duty design to ensure operating vibration levels are within the blower manufacturer's allowable tolerance. The blower and the motor are mounted in the horizontal configuration providing for vertical airflow and horizontally mounted silencers. The silencers may not be welded to the base in any way. All welding to be per AWS D1.1. All welders must have a current welder qualification test record for AWS D1.1 issued by an AES accredited test facility with a certification. All welder continuity logs must be up to date.
- C. Power Transmission: The blower is to be directly connected to the motor through a flexible element coupling. The coupling shall consist of two steel "L" jaws with a flexible Buna-N start type element connecting the jaws. The coupling shall be sized with a 1.5 Service Factor and shall be a T. B. Woods L225, or approved equal.
- D. Coupling/Shaft Guard: The coupling and the connecting shafts must be enclosed with a steel guard designed to protect personnel from accidental contact with moving parts. The guard shall be securely mounted and designed for removal without the use of special tools. The guard shall meet the requirements of the applicable section of OSHA regulations.
- E. Filter: Provide each blower with a suitably sized air filter based on the filter manufacturer's published airflow capacity levels. For maximum protection of the blower, the filter element must be constructed with a paper media that has a minimum efficiency of 99.5 percent on 1-micron particles. Filters must be equipped with a weather hood for outdoor installations. Acceptable manufacturers include Solberg, Stoddard, and Durr Universal, or approved equal. The nominal connection size shall be 4-inch pipe, threaded or flanged.
- F. Intake Silencer: Provide a heavy-duty steel noise attenuation unit of the chamber-absorptive design type. The silencer must be multi-chambered for pulse control and low-frequency noise abatement, and include a packed section that absorbs/reduces high frequency noise. The packed section of the silencer must mount closest to the blower inlet.

The silencer must be independently supported but not welded to or integral with the base structure in any way. Acceptable manufacturers include Progentex (Model DRSI), Stoddard (Model D32), and Durr Universal (Model RIS/SD), or approved equal. The nominal connection size shall be 4-inch pipe, threaded or flanged.

- G. Discharge Silencer: Provide a heavy-duty steel noise attenuation unit of the chamber-absorptive design type. The silencer must be multi-chambered for pulse control and low-frequency noise abatement and include a packed section that absorbs/reduces high frequency noise. The packed section of the silencer must mount closest to the blower discharge. The silencer must be independently supported but not welded to or integral with the base structure in any way. Acceptable manufacturers include Progentex (Model DRS), Stoddard (Model D32), and Durr Universal (Model RIS/SD), or approved equal. The nominal connection size shall be 4-inch pipe, threaded or flanged.
- H. Flexible Connector/Expansion Joints: A flexible pipe connector is required between the blower connections and the silencers to mitigate the effects of vibration and thermal expansion on those units. Three piece clamped sleeved type and one-piece arch type are both acceptable. Lateral, angular, elongation, and compression tolerances must be suitable to accommodate thermal growth and component manufacturing tolerances. The elastomer's maximum pressure and temperature ratings must exceed the blower's discharge pressure and temperature at the relief valve set-point. Connector joints to be equivalent to Flex-Fab sleeve-type, General Rubber arch-type, or approved equal.
- I. Pressure Relief Valve: Provide a weighted type relief valve properly sized to protect the blower from over pressurization. Spring-type valves will not be accepted, due to set-point unreliability associated with spring-tension life. The valve must be located downstream of the discharge silencer for pulsation protection. Provide valves equal to the SutorBilt PL-2 pressure loaded weight type, or approved equal.
- J. Check Valves: Provide a full port dual plate check valve to be located downstream of the pressure relief valve. The body shall be aluminum or cast iron. The internals shall be corrosion resistant aluminum as a minimum. The hinge pin shall be stainless steel and the closure stop pin must be Teflon coated to provide for cushioned contact points. The valve shall be sized based on airflow as per the manufacturer's recommendation to avoid chatter induced fatigue failures. Under-sized and over-sized valves will not be not accepted. The valve must be suitable for low pressure air. Provide a valve equivalent to Flexi-Hinge Model 502-4 inch, or approved equal.
- K. Discharge Isolation Butterfly Valve: Provide a wafer type, resilient seated, lever operated butterfly valve for isolating the blower from the system. Furnish valve with cast iron or ductile iron body and a corrosion resistant disc such as stainless steel, epoxy, or Nylon coated. The stem shall be stainless steel with a heavy-duty Acetal plug bushing. The seat elastomer shall be EPDM. The hand lever must be equipped with position latching plate. Deltech Model 50-4 inch, or approved equal.

- L. Discharge Pressure Gage: Provide 0-15 psi scaled pressure gauge to be remote panel mounted on the noise enclosure and factory plumbed to the discharge side of the blower package. The case shall be liquid filled, weather tight, and be of corrosion resistant material such as stainless steel, aluminum, polysulfone, or approved equal. Minimum size is 2½ inch diameter and minimum accuracy to be +/- 2½ percent of full scale.
- M. Inlet Differential Pressure Gage: Provide a low vacuum or differential pressure gage to be connected to the inlet side of the blower, downstream of the filter element. Acceptable ranges are 0-20 Inches H2O scale. The gauge shall be mounted on a vibration isolated bracket on the package. The case shall be weather tight and be of corrosion resistant material.

2.5 Shop Painting

- A. Shop Prime Coating: Prime paint all components before assembly with an alkyd primer equivalent to Sherwin Williams Kem-Flash prime. Surface preparation, application shall be per the paint manufacturer's recommendation.
- B. Shop Finish Coating: Finish paint all components before assembly with an enamel paint equivalent to Sherwin Williams Sher-Kem paint. Application and minimum DFT millage to be as per the paint manufacturer's published recommendation. Color to be the package manufacturer's standard or any owner requested color as may be available as a standard from the paint manufacturer.

2.6 Spare Parts, Lubricants & Special Tools

- A. Each blower package shall be delivered with the following consumables. Coupons or certificates for the future delivery or purchase of parts will not be accepted.
 - 1. One filter element per blower
 - 2. Coupling flexible element per blower
 - 3. One Case of AEON Synthetic Blower Oil per blower

2.7 Warranty

The blower supplier shall have a factory authorized service center capable of completely servicing the proposed blowers within two (2) hours of the project site. The blower units, or any parts thereof shall be warranted against defects in material or workmanship twelve (12) months from date of original unit start up or twelve (12) months from date of original shipment, whichever occurs first.

SPECIFICATIONS POSITIVE DISPLACEMENT BLOWER JEFFERSON PARISH DEPARTMENT OF SEWERAGE BRIDGE CITY WASTEWATER TREATMENT PLANT

Part 1 – General

The bidder shall supply four (4) Gardner Denver RBS 75 series positive displacement blowers, or approved equal. Price shall include a lot of interconnection piping to connect blowers to existing header. Bidder shall visit site to verify exact needs to connect new blowers to existing system. Bidder shall include in his price four (4) extra filters, coupling flexible element as required, and four (4) cases of AEON Synthetic Blower Oil. The blower under this bid shall be furnished by the area authorized factory representative for Jefferson Parish, Louisiana for the brand being offered. Any bids submitted for the alternate blower manufacturers, other than that as specified, must include in their bid all information needed to fully demonstrate complete compliance with requirements of these specifications and dimensional duplicity of the existing blower. It is the bidder's responsibility to provide adequate information necessary for the complete evaluation of their proposed equipment. Jefferson Parish shall be the sole judge as to the equality of any alternate manufacturer's offering.

1.1 Manufacturer & Quality Assurance

- A. The equipment specified herein is intended to be standard equipment for positive displacement air systems and be supplied as a package from a single source so as to assure uniform quality, compatibility, and reliability for the Bridge City Wastewater Treatment Plant.
- B. The vendor shall have an authorized service center of the blower manufacturer, located within two (2) hours of the Bridge City Wastewater Treatment Plant.

1.2 Manufacturer's Field Representation

- A. General: The field service technician must be a qualified factory certified technician.
- B. Inspection and Start-Up: Upon notification of completion of the aeration system by Jefferson Parish personnel, the blower technician will perform the following duties as applicable: installation inspection and certification, equipment lubrication, initial start-up, and corrective adjustments. Site start-up procedures must include equipment soft-foot checks, coupling alignment with a laser alignment tool, and a minimum one hour run under design operating conditions.

C. Operator Training: Training to include but not limited to all lubrication locations, procedures, intervals, and allowable lubricants. Power Transmission maintenance, filter servicing, any applicable start-up, and shut-down procedures.

Part 2 – Performance / Components

2.1 Design Criteria

Manufacturer: The blowers shall be manufactured by Gardner Denver Model RBS 75, or approved equal.

2.2 Rotary Positive Displacement Blower

- A. The blowers shall be of the horizontal rotary tri-lobe positive displacement type. The blowers must provide oil-free air, suitable for heavy-duty continuous service.
- B. The ductile iron tri-lobe rotors must be machined and dynamically balanced. The shafts must be integral to the rotor. They shall operate without rubbing, liquid seals, or air cylinder lubrication.
- C. The impeller casing shall be of close grain grey iron and must be machined from a single piece of material. <u>Two-piece construction will not be accepted</u>. The casing must feature dowel pins for precision bearing housing alignment. The casing shall be sufficiently ribbed to prevent distortion and reduce vibration under service conditions.
- D. Head plates shall be close grained grey iron and precision machined for exact bearing positioning and casing alignment.
- E. Alloy steel helical cut timing gears shall provide precise rotor synchronization so that operating clearances are properly maintained. Gears must be press-fit to the rotor shafts and must not be bored and pinned. Each gear to be locked in place with a lock nut.
- F. The drive rotor shall be supported by single row roller bearing at the drive end and by a double row ball bearing at the gear end. Bearings shall be sized for a minimum L10 life of 100,000 hours. All bearings must be splash oil lubricated.
- G. Oil Shaft seals must be the non-elastomeric type.

2.3 Electric Motors

A. Motors: 15 H.P. must be TEFC (IP55), 1800 RPM, minimum 1.25 S.F., 230/460/3/60, Class B design, Class F insulation, with a minimum full load efficiency rating of 92.4 percent. Motors shall be as manufactured by ABB, TECO, Toshiba, WEG, or approved equal.

- B. Frame must be cast iron and equipped with cooling fins. The motor feet shall be integral to the motor bearing housings for maximum strength and minimum vibration.
- C. Conduit box must be cast iron and rotatable in 90-degree increments.
- D. Bearing housings shall be cast iron with fins for better thermal heat dissipation for lower bearing operating temperatures. They must be equipped with drain holes to expel water that may condense inside the frame in certain environments.

2.4 Blower Package Accessories

- A. General: The blower packages shall be fabricated and assembled with the following accessories and shipped complete to the extent feasible for safe shipping.
- B. Equipment Base: The base shall be comprised of carbon steel plate and structural steel shapes and be of sufficient design to support the blower, motor, drive train, and silencers without undue flexing. The base must be of a heavy-duty design to ensure operating vibration levels are within the blower manufacturer's allowable tolerance. The blower and the motor are mounted in the horizontal configuration providing for vertical airflow and horizontally mounted silencers. The silencers may not be welded to the base in any way. All welding to be per AWS D1.1. All welders must have a current welder qualification test record for AWS D1.1 issued by an AES accredited test facility with a certification. All welder continuity logs must be up to date.
- C. Power Transmission: The blower is to be directly connected to the motor through a flexible element coupling. The coupling shall consist of two steel "L" jaws with a flexible Buna-N start type element connecting the jaws. The coupling shall be sized with a 1.5 Service Factor and shall be a T. B. Woods L225, or approved equal.
- D. Coupling/Shaft Guard: The coupling and the connecting shafts must be enclosed with a steel guard designed to protect personnel from accidental contact with moving parts. The guard shall be securely mounted and designed for removal without the use of special tools. The guard shall meet the requirements of the applicable section of OSHA regulations.
- E. Filter: Provide each blower with a suitably sized air filter based on the filter manufacturer's published airflow capacity levels. For maximum protection of the blower, the filter element must be constructed with a paper media that has a minimum efficiency of 99.5 percent on 1-micron particles. Filters must be equipped with a weather hood for outdoor installations. Acceptable manufacturers include Solberg, Stoddard, and Durr Universal, or approved equal. The nominal connection size shall be 4-inch pipe, threaded or flanged.
- F. Intake Silencer: Provide a heavy-duty steel noise attenuation unit of the chamberabsorptive design type. The silencer must be multi-chambered for pulse control and low-

frequency noise abatement, and include a packed section that absorbs/reduces high frequency noise. The packed section of the silencer must mount closest to the blower inlet. The silencer must be independently supported but not welded to or integral with the base structure in any way. Acceptable manufacturers include Progentex (Model DRSI), Stoddard (Model D32), and Durr Universal (Model RIS/SD), or approved equal. The nominal connection size shall be 4-inch pipe, threaded or flanged.

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Non-Public Works Bid Affidavit Instructions

- Affidavit is supplied as a courtesy to Affiants, but it is the responsibility of the affiant to insure the affidavit they submit to Jefferson Parish complies, in both form and content, with federal, state and parish laws.
- Affidavit must be signed by an authorized representative of the entity or the affidavit will not be accepted.
- Affidavit must be notarized or the affidavit will not be accepted.
- Notary must sign name, print name, and include bar/notary number, or the affidavit will not be accepted.
- Affiant MUST select either A or B when required or the affidavit will not be accepted.
- Affiants who select choice A must include an attachment or the affidavit will not be accepted.
- If both choice A and B are selected, the affidavit will not be accepted.
- Affidavit marked N/A will not be accepted.
- It is the responsibility of the Affiant to submit a new affidavit if any additional campaign contributions are made after the affidavit is executed but prior to the time the council acts on the matter.

Instruction sheet may be omitted when submitting the affidavit

Non-Public Works Bid

AFFIDAVIT

STATE OF		
PARISH/COUNTY OF _		
BEFORE ME, the u	ndersigned authority, personally came and appeare	ed:
, (A	ffiant) who after being by me duly sworn, deposed	and said that
he/she is the fully authorize	d of	(Entity),
the party who submitted a b	id in response to Bid Number, to the	Parish of
Jefferson.		
Affiant further said:		
Campaign Contribution Dis	closures	
(Choose A <u>or</u> B, if opti	on A is indicated please include the requi	red
attachment):		
Choice A	Attached hereto is a list of all campaign contributed the date and amount of each contribution, made to former elected officials of the Parish of Jefferson Affiant, and/or officers, directors and owners, incemployees, owning 25% or more of the Entity duperiod immediately preceding the date of this afficurrent term of the elected official, whichever is a Entity, Affiant, and/or Entity Owners have not may contributions to or in support of current or former Jefferson Parish Council or the Jefferson Parish P or in the name of another person or legal entity, elindirectly.	o current or by Entity, cluding ring the two-year davit or the greater. Further, ade any members of the resident through
Choice B	there are <u>NO</u> campaign contributions made which disclosure under Choice A of this section.	would require

Debt Disclosures

(Choose A or B, if option A is indicated please include the required attachment):

Choice A	Attached hereto is a list of all debts owed by the affiant to any elected or appointed official of the Parish of Jefferson, and any and all debts owed by any elected or appointed official of the Parish to the Affiant.
Choice B	There are <u>NO</u> debts which would require disclosure under Choice A of this section.

Affiant further said:

That Affiant has employed no person, corporation, firm, association, or other organization, either directly or indirectly, to secure the public contract under which he received payment, other than persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project or in securing the public contract were in the regular course of their duties for Affiant; and

[The remainder of this page is intentionally left blank.]

Page 2 of 3

Updated: 02.27.2014

That no part of the contract price received by Affiant was paid or will be paid to any person, corporation, firm, association, or other organization for soliciting the contract, other than the payment of their normal compensation to persons regularly employed by the Affiant whose services in connection with the construction, alteration or demolition of the public building or project were in the regular course of their duties for Affiant.

	Signature of Affiant
	Printed Name of Affiant
SWORN AND SUBSCRIBED TO BEFOR	E ME
ON THE DAY OF	, 20
Notary Public	<u>-</u>
Printed Name of Notary	_
Notary/Bar Roll Number	-
My commission expires	

CORPORATE RESOLUTION

	DATE
	SECRETARY-TREASURER
DA Dir Thi	TED MEETING OF THE BOARD OF RECTORS OF SAID CORPORATION, AND E SAME HAS NOT BEEN REVOKED OR SCINDED.
A	EREBY CERTIFY THE FOREGOING TO BE TRUE AND CORRECT COPY OF AN CERPT OF THE MINUTES OF THE ABOVE
FACT OF THE CORPORATION WITH BEHALF OF THIS CORPORATION IN AND TRANSACTIONS WITH THE PAR DEPARTMENTS, EMPLOYEES OR AGENCY OF ALL BIDS, PAPERS, I CONTRACTS AND ACTS AND TO REGISSUED PURSUANT TO THE PROVISIC CORPORATION HEREBY RATIFYING.	, BE AND IS HEREBY DESIGNATED AS AGENT AND ATTORNEY-IN- TO FULL POWER AND AUTHORITY TO ACT ON ALL NEGOTIATIONS, BIDDING, CONCERNS HISH OF JEFFERSON OR ANY OF ITS AGENCIES, ENTS, INCLUDING BUT NOT LIMITED TO, THE DOCUMENTS, AFFIDAVITS, BONDS, SURETIES, CEIVE ALL PURCHASE ORDERS AND NOTICES HONS OF ANY SUCH BID OR CONTRACT, THIS APPROVING, CONFIRMING, AND ACCEPTING ORMED BY SAID AGENT AND ATTORNEY-IN-
WAS:	ID HELD ON, ON MOTION DULY MADE AND SECONDED. IT
INCORPORATED.	
EXCERPT FROM MINUTES OF MEETI	NG OF THE BOARD OF DIRECTORS OF